



Material Safety Data Sheet (MSDS / SDS) – Slack Wax

1. Product Identification

Product Name: Slack Wax

Synonyms: Petrolatum wax, solvent dewaxed slack wax

CAS Number: 8016-87-9 (mixture)

Recommended Use: Industrial raw material and processing aid in candles, rubber, match sticks, coatings, further wax refining

Supplier: (e.g., ATDM – Petrochemical & Industrial Chemical Supplier)

2. Hazard Identification

Emergency Overview:

Slack wax is a semi-solid petroleum wax containing residual oil. It is not classified as hazardous under OSHA HCS and GHS criteria in its solid state.

GHS Classification:

- Not classified as flammable solid
- Not a skin sensitizer
- Not carcinogenic (per IARC/OSHA when handled per guidelines)

Signal Word: *None*

Hazard Statements:

- May form combustible dust concentrations in air.
- May irritate eyes and skin with prolonged contact.

3. Composition / Information on Ingredients

Component	CAS #	Approx. %
Paraffinic waxes	8002-74-2	70–95
Petroleum residual oil	—	5–25
Additives (trace)	—	<1



4. First Aid Measures

Inhalation:

Remove to fresh air. Not normally needed; dust may cause irritation.

Skin Contact:

Wash with soap and water. Seek medical help if irritation persists.

Eye Contact:

Flush with water for 15 minutes. If irritation continues, consult a physician.

Ingestion:

Not expected in industrial use. Do not induce vomiting; seek medical advice.

5. Fire-Fighting Measures

Flash Point: > 200°C / 392°F (PMCC) – not easily ignited in bulk.

Extinguishing Media: Foam, dry chemical, CO₂, water mist.

Special Hazards: Burning can produce smoke, hydrocarbons, CO/CO₂.

Protective Equipment: Self-contained breathing apparatus (SCBA) and protective gear.

6. Accidental Release Measures

Small Spill: Sweep up solid. Avoid dust; dispose of in approved landfill.

Large Spill: Dike and collect; prevent entry into waterways.

Environmental Note: Avoid release into drains.

7. Handling and Storage

Handling:

- Use good housekeeping; control dust.
- Avoid direct contact with hot wax.

Storage:

- Store in a cool, dry place.
- Keep containers closed to prevent contamination.



8. Exposure Controls / PPE

Exposure Limits:

No specific limits. Use general oil mist and nuisance dust limits where relevant.

Engineering Controls: Local exhaust ventilation at dust sources.

PPE:

- Safety glasses
- Heat-resistant gloves for hot wax
- Long sleeves to reduce skin contact

9. Physical and Chemical Properties

Appearance: Opaque off-white to yellowish solid

Odor: Mild petroleum

Melting Point: ~45–58°C (113–136°F)

Boiling Point: Not applicable

Density: ~0.9 g/cm³

Solubility: Insoluble in water

10. Stability and Reactivity

Stability: Stable under normal conditions.

Avoid: Open flames, ignition sources.

Hazardous Decomposition: Smoke, hydrocarbons on burning.

11. Toxicological Information

Low toxicity expected. Inhalation of dust may irritate respiratory tract.

12. Ecological Information

No significant eco-toxicity data; keep out of waterways.

13. Disposal Considerations

Dispose per local regulations. Avoid landfill or incineration of large quantities without permit.